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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/740,747	12/19/2003	Gary Karlin Michelson	102.0001-12000	4978
22882 MARTIN & FI	7590 11/27/2007		EXAM	INER
1557 LAKE O'	KE O'PINES STREET, NE BROWN, MICHAEL A		ICHAEL A	
HARTVILLE,	OH 44632		ART UNIT	PAPER NUMBER
•			3772	
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			. MAIL DATE	DELIVERY MODE
	•		11/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/740,747	MICHELSON, GARY KARLIN			
Office Action Summary	Examiner	Art Unit			
	Michael Brown	3772			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. ely filed the mailing date of this communic (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on  2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This  3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		s is		
Disposition of Claims					
4) ☐ Claim(s) 1 and 10-31 is/are pending in the apple 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 10-31 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.12			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te			

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 10-11, 15-21, 25-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brantigan'915 in view of Roux '369.

Brantigan discloses in figures 1-10 a spinal implant, substantially as claimed. However, Brangtian doesn't disclose the thread 32c, 32d being a helical thread. Roux teaches in figures 1-6 an implant comprising a thread 27 that is helical (col. 3, lines 44-47), having a deviation (the thread deviates to an apex in fig. 4) the thread is interrupted (fig. 3) and it can be blunt (have any cross-section, col. 5, lines 38-41, which of course could be a blunt end). It would have been obvious to one having ordinary skill in the art at the time that the invention was made that the helical thread as taught by Roux could be substituted for the thread disclosed by Brantigan in order to have a thread on the implant that resist backward rotation.

Claims 12-14 and 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claims above, and further in view of Bagby '269.

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Bagby teaches in figures 1-5 a spinal implant 10 having openings 23 and a hollow interior. It would have been obvious to one having ordinary skill in the art at the time that the invention was made that the openings and the hollow interior as taught by Bagby could be incorporated into the implant disclosed by Brantigan and taught by Roux. The openings would allow bone to grow into the implant. The openings would interrupt the threads simply via locating the threads between the openings.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Brown whose telephone number is 571-272-4972. The examiner can normally be reached on 5:30 am-4:00 pm Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia Bianco can be reached on 571-272-4940. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael A. Brown/ November 24, 2007